Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/17/2019 10:03 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123118	-2	1.75	123180	1.76
Blue	F	SSC	125000	124761	-1	3.13	125568	3.21
Blue	E	FITC	16694	16149	-4	3.52	375	22.03
Blue	D	PE	32792	32382	-2	2.65	716	16.54
Blue	B	PerCP-Cy5-5	44451	44131	-1	4.42	1209	22.92
Blue	A	PE-Cy7	33645	33933	0	7.04	615	49.42
Red	C	APC	47008	46219	-2	2.94	1788	13.31
Red	A	APC-Cy7	32298	31662	-2	2.78	794	13.96
Violet	B	V450	8961	8664	-4	4.50	479	14.86
Violet	A	V500	32726	31347	-5	4.25	751	11.13

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20061	4.35	608	-5	N/A	N/A	Pass
Blue	F	SSC	56462	2.56	578	10	N/A	N/A	Pass
Blue	E	FITC	63	70.60	564	1	0.0150	100	Pass
Blue	D	PE	144	55.60	569	3	0.1174	235	Pass
Blue	B	PerCP-Cy5-5	224	55.72	673	2	0.0074	53	Pass
Blue	A	PE-Cy7	117	125.45	730	4	0.0084	27	Pass
Red	C	APC	409	28.85	612	-1	0.0196	166	Pass
Red	A	APC-Cy7	194	31.70	584	-1	0.0047	1067	Pass
Violet	B	V450	71	69.77	485	-1	0.0383	1917	Pass
Violet	A	V500	107	35.99	494	-2	0.0195	643	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.59	-31.90	1.04
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	16.42	13.60 - 20.40	N/A	N/A	28.76	29.46	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 11647

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments